

E-PM2 1442 Kit Red

- Next generation 16Mpixel LiveMos sensor
- ISO sensitivity up to ISO 25,600
- FAST AF + Touch operation
- Built-in 2-axis stabilisation
- TruePic VI image processor
- Ultra-fast autofocus so you won't miss a shot
- Wide dynamic range
- 3inch 460,000 dot LCD display for excellent visibility



Good looks. Even better photos.

The E-PM2 excels in both form and function. In terms of form, its stylish and compact design makes this a take-me-anywhere camera for convenient everyday use. When it comes to function, the E-PM2 delivers an incredible image quality that is the best in its class. And it's no wonder, considering it's equipped with the same 16M Live MOS image sensor and TruePic VI image processor as our award-winning OM-D camera. And that's not all: Couple this with the incredibly fast autofocus and a new touchscreen that lets you focus and shoot in split seconds - all with the tip of your finger - and you're more than set to start taking dramatically better stills and movies. It's not just the focusing and shooting that's easy either: Thanks to the user-friendly Live Guidebutton, and an intuitive overall interface, making masterpieces is a synch. Put yourself in the creative driving seat too and give your photos artistic impact - with 12 Art Filters and 6 Art Effects to choose from. There's even the option of fading in Art Filters when shooting movies, for even more creative impact. Life with the E-PM2 just got more convenient as well: with a FlashAir (Trademark of Toshiba) card you can now send photos and videos from your E-PM2 to your friends, family and social networks - wherever you are.

Specifications

Type

Body material	Metal
Lens mount	Micro Four Thirds

Image Sensor

Type	4/3" Live MOS sensor
Effective pixels	16.1 Megapixels
Filter array	Primary colour filter (RGB)
Aspect ratio & area	4:3 / 17.3 x 13.0mm
Full resolution	17.2 Megapixels

Engine

Type	TruePic VI
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Filter

Dust reduction filter	Supersonic Wave Filter
IR cut filter	Hybrid type

Live View

Displayed information	Aperture Shutter speed Auto bracket AE lock Focus mode Shooting mode Battery check My Mode
AF type	Contrast detection system
100% field of view	Approx. 100%
Magnification levels	5 / 7 / 10 / 14x
Display modes	Histogram Comparison Grid (4 types) Standard information

Image Stabiliser

Type	Sensor shift
Modes	Two-dimensional, vertical or horizontal activation
Effective Compensation Range	Up to 3 EV steps

Focusing System

Method	Contrast Detection AF system (when non high-speed contrast AF compatible lens is used, it works as MF assist)
Focus areas	35 points / All target, Group target (9-areas), Single target (normal), Single target (small)
	Auto selection with Face Detection ON
	800 points / Manual selection in Magnified View Mode
AF lock	Yes , Locked by first position of shutter release button in single AF mode, AE/AF lock button (customised)
Modes	Manual focus Single AF Continuous AF Single AF + MF AF Tracking Touch target
AF illuminator	Yes
Full time AF	Yes
Manual focus	Yes , With enlarged focusing area
Face Detection extension	Eye Detect AF: Off Left side priority Near side priority Right side priority
Predictive AF	Yes
AF tracking	Yes , Available in continuous AF mode

Exposure System

Modes	Programme automatic Aperture priority Shutter priority Manual Bulb Time i-Auto Scene Modes
Exposure compensation	+/- 3EV (1, 1/2, 1/3 steps)
Exposure bracketing	2 / 3 / 5 frames (+/- 1/3, 2/3, 1 EV steps)
	7 frames (+/- 1/3, 2/3 EV steps)
ISO bracketing	3 frames (1/3, 1/2, 1 EV steps)
AE lock	Yes
My Mode	4 settings storable
Enhancement function	Shadow Adjustment Technology
HDR bracketing	3 / 5 frames (+/- 2 / 3 EV steps)
	7 frames (+/- 2 EV steps)
	Note: HDR picture can not be made by this function.

Scene Modes

Number of scene modes	25
Modes	Portrait e-Portrait Landscape Landscape with Portrait Macro Sports Night Scene Night Scene with portrait
	* Only for stills and with usage of 3D lens (H-FT012)

Multi-Exposure

Max. number of frames	2 frames (shooting) 3 frames (editing)
Auto gain control	Yes
Frame assistance	Live View

Light Metering

Method	TTL open aperture light metering
Zones	324 zones Multi-pattern Sensing System
Detection range	0 - 20 EV (17mm f2.8, ISO 100)
Modes	ESP light metering Spot metering Centre weighted metering Highlight Shadow

Art Filter

Modes	Pop Art Soft Focus Pale & Light Colour Light Tone Grainy Film Pin Hole Diorama Cross Process
Variation / Effect	Available

Sensitivity

Auto	ISO 200 - 25600 (customisable, default ISO 200 - 1600)
Manual	ISO 200 - 25600 in 1/3 or 1 EV ISO steps

Shutter

Shutter type	Computerised focal-plane shutter
Self timer	2s / 12s Custom (delay 1-30sec., shooting interval 0.5/1/2/3sec., number of shots 1-10)

Shutter Speeds

Shutter speed range	1/4000 - 60s (in 1/3, 1/2, 1 EV steps)
Bulb mode	Up to 30 minutes (selectable longest time in the menu, default: 8 minutes)

White Balance

AUTO WB system	Advanced detection system with Live MOS sensor
Manual White balance (One-Touch)	Yes
White balance bracketing	3 frames / +/- 2, 4, 6mired steps
One-touch white balance	2 custom settings can be registered
Custom WB	1 setting can be registered at Kelvin temperature (2000K - 14000K)
Preset values	Tungsten Flourescent 1 Sunlight Flash Overcast Shade Underwater
Auto Flash adjustment	Off / Auto WB / Flash
Keep warm colour	On / Off
White balance adjustment	+/- 7 in each R-B / G-M axis

Sequence Shooting

Speed (H)	Approx. 8fps
Speed (L)	3.6fps (IS off) , 3.0fps
Max. number of frames	27 frames (RAW) 19 frames (JPG / Large Normal mode)
Conditions	Memory card: Toshiba SDHC UHS-I card R95 W80 model Premiugate series "Class 10" 8GB When using the M.ZUIKO DIGITAL 14-42mm II R f3.5-5.6 Note: Depending on shooting conditions, the sequential shooting speed may reduce speed during shooting.

Image Processing

Colour space	sRGB / AdobeRGB
Sharpness + Contrast	5 levels
Contrast	5 levels
Saturation	5 levels
Black & White filter	Yellow, Orange, Red, Green
Black & White toning	Sepia, Blue, Purple or Green in Black & White mode
Picture mode	i-Enhance, Vivid, Natural, Portrait, Muted, Monotone, Art Filter, Custom
Gradation	4 levels (auto, high key, normal, low key)
Engine	TruePic VI
Art Filter bracketing	Available
Tele converter effect	2x

Internal Flash

Modes	AUTO Manual (Full, 1/4, 1/16, 1/64) Red-eye reduction Slow synchronisation with red-eye reduction Slow synchronisation Slow synchronisation 2nd curtain Fill-in Off
Type	Detachable flash (bundled)
Flash compensation	+/- 3 EV (1/3, 1/2, 1 EV steps)
Guide number	10 (ISO 200)
X-sync speed	1/250s / 1/4000s (Super FP Mode)

External Flash Control

X-sync speed	1/250s / 1/4000s (Super FP Mode)
Type	TTL AUTO, AUTO, MANUAL, FP TTL AUTO, FP MANUAL
Modes	Auto Red-eye reduction Slow synchronisation 2nd curtain and slow synchronisation Fill-in for exclusive flash Manual
Intensity	+/- 3 EV (1/3, 1/2, 1 EV steps)
	Note: Some functions are only available if they are supported by the external flash.

Wireless Flash Control

Number of channels	4 channels
Compatible external flash	FL-36R, FL-50R, FL-300R, FL-600R
Control method	Triggered and controlled by bundled flash
Group setting	4 groups
	Available when used together with cameras compatible with the Olympus wireless RC flash system.

Monitor

Monitor type	LCD - Touch Panel
Monitor size	7.6cm / 3.0" (16:9)
Resolution	460000 dots
Brightness adjustment	+/- 7 levels
Colour balance	+/- 7 levels Vivid (default) / Natural
Touch Control functions	Shutter release Enlargement Live Guide AF area selection AF area enlargement Frame forward/backward Enlargement playback Super Control Panel

Super Control Panel

Displayed information	Battery indicator
	Record mode
	Shutter speed
	Aperture value
	Exposure compensation indicator
	ISO
	AE bracketing
	AF frame

Recording Formats

RAW	12bit
RAW & JPEG	Yes parallel recording
JPEG	Yes
Aspect ratio	4:3 / 3:2 / 16:9 / 6:6 / 3:4
MPO (3D)	Yes

Image Size

RAW	4608 x 3456 compressed / 17MB / frame
	4608 x 3456 Fine (compression: 1/4) / 7.5MB / frame
	4608 x 3456 Normal (compression: 1/8) / 3.5MB / frame
	2560 x 1920 Normal (compression: 1/8) 1.1MB / frame
	1024 x 768 Normal (compression: 1/8) / 0.3MB / frame

Still Image Recording

EXIF	2.2
PIM	III
DPOF	Yes
DCF	Yes

Movie Recording System

Recording format	MOV(MPEG-4AVC/H.264), AVI(Motion JPEG)
Image Stabilisation Mode	Yes Electronical image shifting (Digital IS)
HD Movie quality	Full HD 1920 x 1080 (16:9) 30p, 20Mbps (MOV)
	Full HD 1920 x 1080 (16:9) 30p, 17Mbps (MOV)
	HD 1280 x 720 (16:9) 30p, 13Mbps (MOV)
	HD 1280 x 720 (16:9) 30p, 10Mbps (MOV)
	HD 1280 x 720 (16:9) / 30fps (AVI Motion JPEG®)
	Movie quality 640 x 480 / 30fps (AVI Motion JPEG®)
	29min (17Mbps)
	14min (SD) / 7min (HD) (AVI Motion JPEG®)*
Max. file size	4GB (AVCHD)
	2GB (Motion-JPEG)
Exposure Modes	Aperture priority
	Art Filter
	Manual
	Programme automatic
	Shutter priority
	* Some Art Filters are excluded
Movie effects	Multi shot echo
	One shot echo
	Art fade

Sound Recording System

Internal microphone	Stereo
Recording format	Stereo PCM/16bit, 48kHz,
	Wave Format Base
External microphone	Optional
Image footage	30s
Speaker	Yes
Microphone functions	Wind Noise Reduction
	Recording Volume

View Images

Modes	Index Calendar Zoom Slide show Movie Single
Light box	Yes
Histogram in playback mode	Yes
Shooting information	Off / On

Erase / Protect / Copy Function

Erase modes	Single, All, Selected
Image protect mode	Single frame, Selected frames, All Frames, Release protect (Single/All selected)

Image Editing

RAW data edit	Yes
Red-eye reduction	Yes
Sepia	Yes
Black & White	Yes
Resize	Yes
Correction of saturation	Yes
Shadow Adjustment	Yes
Trimming	Yes
e-Portrait	Yes

Menu

Menu languages in camera	English, French, German, Spanish, Italian, Russian, Czech, Dutch, Danish, Polish, Portuguese, Swedish, Norwegian, Finnish, Croatian, Slovenian, Hungarian, Greek, Slovak, Turkish, Latvian, Estonian, Lithuanian, Ukrainian, Serbian
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Customisation Options

Fn Button	Yes
My Mode	4 settings storable
Factory reset	Full / Standard
Programmable button	Yes

Interface

Media	SD Memory Card (SDHC, SDXC, UHS-I compatible) Class 6 is recommended for Movie shooting
HDMI™	Yes Micro connector (Type D) *
USB 2.0 High Speed	Yes
Combined V & USB output	Yes NTSC or PAL selectable
	* "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.
Connection	Accessory Port 2
Wireless connectivity	Eye-Fi Card compatible Bluetooth® FlashAir

Power Supply

Battery	BLS-5 Li-Ion battery (included) Lithium-Ion Battery (CR-V3 not compliant)
Sleep mode	Available (1min, 3min, 5min)

Environment

Temperature	0 - 40°C operating temperature / -20 - 60°C storage temperature
Humidity	30 - 90% operation humidity / 10 - 90% storage humidity

Size

Dimensions (W x H x D)	109.8 x 64.2 x 33.8mm (without protrusions)
Weight	269g (including battery and memory card) 223g (body only)

Exterior

Available Colours	Black Silver White Red
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